

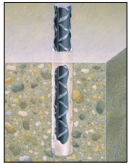
# Adhesive Anchoring Selection Guide

◀ COLD WEATHER USE  
and lower 0°F 20°F 50°F

▶ HOT WEATHER USE  
80°F 90°F 100°F and higher

**A7 – BEST FORMULA**  
C6 and G5

**G5 – BEST FORMULA**  
C6 and A7



Doweling into Concrete with Rebar



Fastening to Concrete with Threaded Rod

EPCON **A7**

EPCON **C6**

EPCON **G5**

Fast Dispensing, Fast Curing

Fast Curing for All Conditions

Extended Working Time

10:1 ACRYLIC

1:1 EPOXY

1:1 EPOXY

fast 35 minute cure time at 60°F  
7 minute working time at 60°F

fast 1 hour cure time at 70°F  
7 minute working time at 70°F

24 hour cure time per (AC308)  
PLUS extended  
15 minute working time at 70°F

NSF STANDARD 61 Certified  
for drinking water applications

NSF STANDARD 61 Certified  
for drinking water applications

ODORLESS for indoor  
applications

COLD WEATHER no heating  
of cartridges required

Suitable for extreme  
temperature ranges

HOT WEATHER more  
time to install anchors

18 month shelf life

2 year shelf life

18 month shelf life

- Damp holes
- Underwater installations
- Screens in hollow block and brick
- Oversized holes will reduce loads
- Cored-drilled holes will reduce load

- Damp holes
- Underwater installations
- Screens in hollow block and brick
- Oversized holes no reduction
- Cored-drilled holes with no reduction

- Damp holes
- Underwater installations
- Screens in hollow block and brick
- Oversized holes no reduction
- Cored-drilled holes with no reduction

Best Formula    Suitable Formula    Not Suitable

## Solid Concrete Applications

### PRODUCT SYSTEMS

**A7 Fast Dispensing, Fast Curing Acrylic**  
Install more anchors in less time



5 fluid oz. (150 ml),  
8 fluid oz. (235 ml)  
10 fluid oz. (275 ml) and  
28 fluid oz. (825 ml) cartridges  
(see page 20)



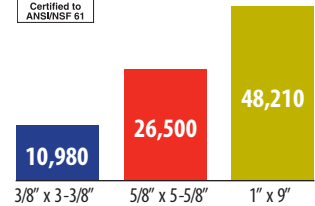
### KEY FEATURES

- Solid or hollow base materials
- Dispenses easier and faster
- Damp holes or underwater
- Fastest cure (35 min. at 60°F)
- Dispenses and cures faster in cold weather
- Can be used in smaller diameter holes
- No-drip formula reduces clean-up time
- Hand dispensable 28-oz. cartridge

### PROPERTIES

BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME
100°/ 38°	5 minutes	25 minutes
80°/ 27°	5.5 minutes	30 minutes
60°/ 16°	7 minutes	35 minutes
40°/ 4°	15 minutes	75 minutes
20°/ -7°	35 minutes	6 hours
0°/ -18°	4 hours	24 hours

### ULTIMATE TENSILE PERFORMANCE<sup>1,2</sup>



**C6 Fast Curing Epoxy for All Conditions**  
Consistently handles all applications

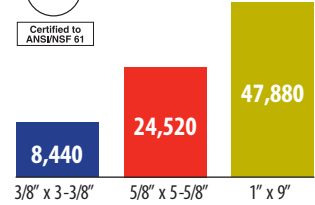


18 fluid oz. (530 ml) cartridges  
(see page 31)



- **NEW!** Base Material Temperature 15°F (cartridge temperature must be ≥ 70°F)
- Solid or hollow base materials
- Hammer drilled or diamond cored holes
- Oversized holes
- Cold or warm weather
- Damp holes or underwater
- Horizontal or overhead installations
- Fast curing epoxy (1 hour at 70°F)

BASE MATERIAL <sup>1</sup> (F°/C°)	WORKING TIME <sup>2</sup>	FULL CURE TIME
120°/ 49°	4 minutes	1 hour
110°/ 43°	4 minutes	1 hour
90°/ 32°	5 minutes	1 hour
80°/ 26°	6 minutes	1 hour
70°/ 21°	7 minutes	1 hour
60°/ 16°	7 minutes	2 hours
50°/ 10°	7 minutes	2 hours
40°/ 4°	7 minutes	24 hours
15°/ -9°	6 minutes	24 hours



**G5 High Strength Epoxy tested in accordance to ICC-ES AC308**



15 min. working time;  
24 hour cure time  
(Per AC308) (70°F)

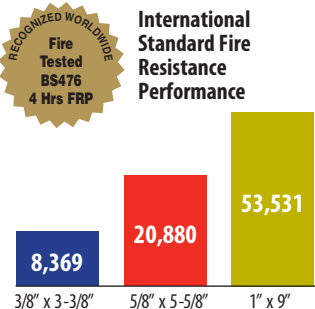


22 fluid oz. (650 ml) cartridge  
(see page 37)



- Solid base materials
- Fire rated: tested up to 4hrs FRP
- Works in dry, damp, saturated, and underwater applications
- Gives more time to install anchors
- Easier to install anchors in hot weather
- Odorless
- Oversized and cored holes
- Improved wet/water filled
- Resist wind loads

BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME
110°/ 43°	9 minutes	24 hours
90°/ 32°	9 minutes	24 hours
70°/ 20°	15 minutes	24 hours



<sup>1</sup>Diameter x Embedment in 4000 psi concrete. <sup>2</sup>All loads given in pounds.

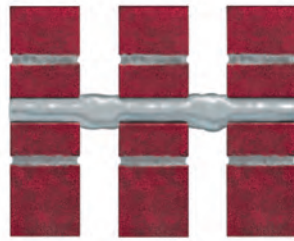
ALL Red Head Adhesive/Epoxyes comply with  
Made in U.S.A. requirements for Government jobs.

ITW Red Head®

Call our toll free number 800-899-7890 or visit our web site for the most current product and technical information at [www.itwredhead.com](http://www.itwredhead.com)

# Hollow Base Material Applications





Use the following accessories with the A7 and C6 adhesive anchoring systems for all of your hollow base material applications.



Brick Pinning



Fastening to hollow concrete block

SYSTEM ACCESSORIES	KEY FEATURES	ULTIMATE TENSILE <sup>1,2</sup> PERFORMANCE (LBS)			
<h3>Nylon Screens</h3>  <p>Makes it possible to use adhesive for fastening to hollow block or brick walls (see page 46)</p>	<ul style="list-style-type: none"> <li>3/8" to 3/4" diameter sizes</li> <li>30%-50% lower cost than stainless screens</li> <li>Special design makes screens easier to insert through block or brick</li> <li>Does not get bent or crushed</li> <li>Corrosion resistant</li> </ul>	<p><b>A7</b></p> <p>3/8" x 8" : 2,360</p> <p>3/4" x 8" : 2,647</p>		<p><b>C6</b></p> <p>3/8" x 8" : 2,800</p> <p>3/4" x 8" : 3,487</p>	
<h3>Stainless Steel Screens</h3>  <p>Makes it possible to use adhesive for fastening to hollow block or brick walls (see page 46)</p>	<ul style="list-style-type: none"> <li>1/4" to 3/4" diameter sizes</li> <li>Corrosion resistant</li> <li>Available in multiple lengths to accommodate various material thicknesses</li> </ul>	<p><b>A7</b></p> <p>3/8" x 8" : 2,360</p> <p>3/4" x 8" : 2,647</p>		<p><b>C6</b></p> <p>3/8" x 8" : 2,800</p> <p>3/4" x 8" : 3,487</p>	
<h3>Stubby Screens</h3>  <p>Makes it possible to use adhesive for fastening to the face of hollow block or tile (see page 43)</p>	<ul style="list-style-type: none"> <li>1/4", 3/8", 1/2", 5/8" diameter sizes</li> <li>Fasten to front face of block</li> <li>Anchor remains perpendicular in wall</li> </ul>	<p><b>A7</b></p> <p>1/2" : 2,458</p> <p>5/8" : 2,543</p>		<p><b>C6</b></p> <p>1/2" : 1,873</p> <p>5/8" : 1,970</p>	
<h3>Umbrella and Umbrella Inserts</h3>  <p>Umbrella                      Insert</p> <p>Makes it possible to use adhesive for fastening to the face of hollow block or tile (see page 43)</p>	<ul style="list-style-type: none"> <li>1/4", 3/8", or 1/2" rods</li> <li>3/8" internal inserts (HBU-FS)</li> <li>Fasten to front face of blocks</li> <li>Creates large bearing surface inside block to achieve high loads</li> </ul>	<p><b>A7</b></p> <p>3/8" : 3,558</p> <p>1/2" : 3,558</p>		<p><b>C6</b></p> <p>3/8" : 1,875</p> <p>1/2" : 1,875</p>	

<sup>1</sup> Testing performed in hollow concrete block.    <sup>2</sup> Diameter x Embedment.